



Sony a6000 Settings Guide

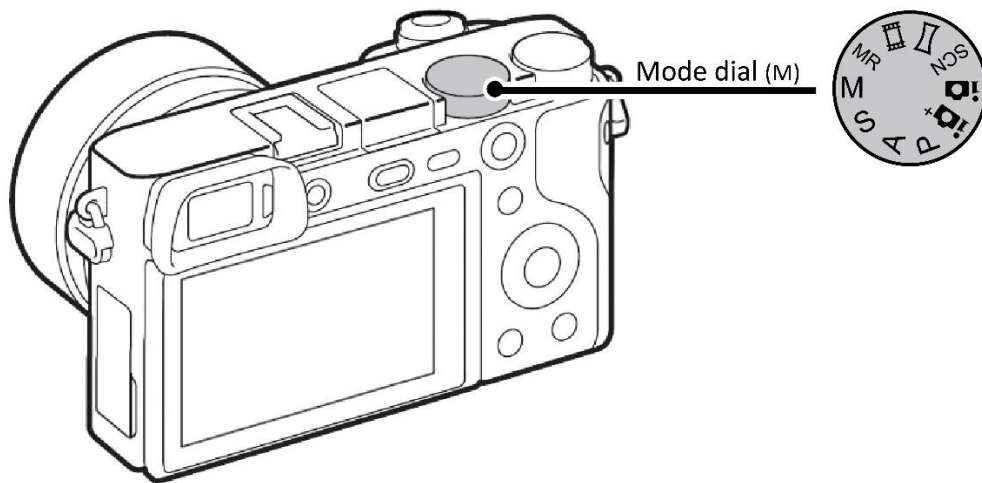
Revision Date: 2020-07-28

Introduction

This document goes through the recommended camera settings to use the Sony a6000 with a GeoSnap system in an aerial mapping mission. **You may need/want different settings than what our outlined in this document, so please do what is appropriate for your mission**

1. Set mode dial

Turn mode dial to M (for Manual).

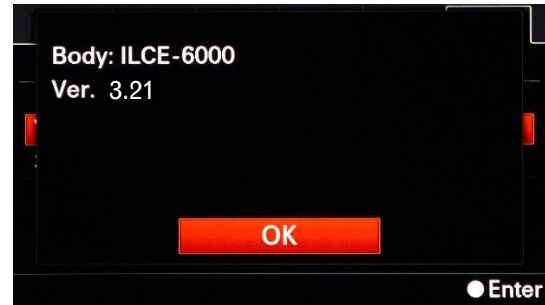


2. Turn on camera

The power switch is located on right side of the camera under shutter release button.

3. Check firmware

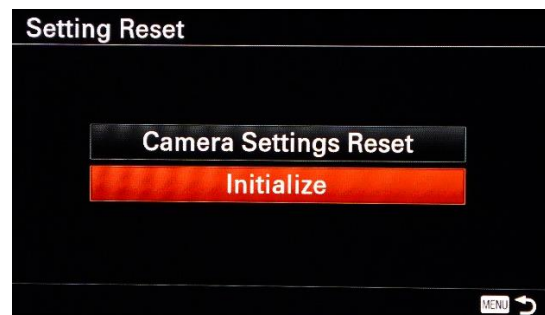
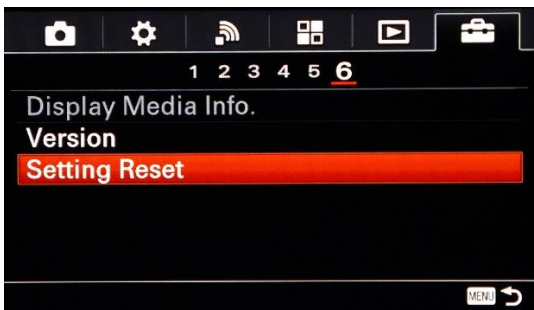
First press the Menu button, then navigate to the Setup menu. On page 6, select **Version** to view which firmware version is installed on the camera.



If it is not firmware version 3.21, go to <https://www.sony.com/electronics/support/downloads/00015954> to update.

4. Reset settings to default

First press the menu button, then navigate to Setup menu. On page 6 select **Setting Reset > Initialize > OK > OK**. After pressing OK, the camera will reboot.



5. Set language, Area/Date/Time

Once the camera reboots, select your Time Zone, Daylight Savings setting, Date/Time, and your preferred Date Format.

6. Menu settings

Now that the settings are set to default, use the tables below to see which default settings should be changed to the desired settings. Start by pressing the menu button to access settings.



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| MENU items | Default setting | Desired setting |
|---------------------|-----------------|-----------------|
| Image Size | L: 24M | L: 24M |
| Aspect Ratio | 3:2 | 3:2 |
| Quality | Fine | Fine |
| Panorama: Size | — | — |
| Panorama: Direction | — | — |
| File Format | AVCHD | AVCHD |



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| MENU items | Default setting | Desired setting |
|-------------------|-----------------|---------------------|
| Record Setting | 60i 17M (FH) | 60i 17M (FH) |
| Drive Mode | Single Shooting | Single Shooting |
| Flash Mode | Fill-flash | Fill-flash |
| Flash Comp. | ±0.0 | ±0.0 |
| Red eye Reduction | Off | Off |
| Focus Mode | Single-shot AF | Manual Focus |



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| MENU items | Default setting | Desired setting |
|-------------------|-----------------|-----------------------|
| Focus Area | Wide | Wide |
| AF Illuminator | Auto | Auto |
| AF drive speed | Normal | <i>not applicable</i> |
| AF Track Duration | Normal | <i>not applicable</i> |
| Exposure Comp. | ±0.0 | ±0.0 |
| Exposure step | 0.3EV | 0.3EV |



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| MENU items | Default setting | Desired setting |
|----------------------|-----------------|-----------------|
| ISO | ISO AUTO | ISO AUTO |
| Metering Mode | Multi | Multi |
| White Balance | Auto | Daylight |
| DRO/Auto HDR | D-range Opt. | D-range Opt. |
| Creative style | Standard | Standard |
| Picture effect | Off | Off |



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| MENU items | Default setting | Desired setting |
|---------------------------|--------------------|-----------------------|
| Zoom | — | — |
| Focus Magnifier | | <i>not applicable</i> |
| Long Exposure NR | On | On |
| High ISO NR | Normal | Normal |
| Lock-on AF | Off | Off |
| Smile/Face Detect. | On (Regist. Faces) | Off |



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| MENU items | Default setting | Desired setting |
|-------------------|-----------------|-----------------|
| Soft Skin Effect | Off | Off |
| Auto Obj. Framing | Off | Off |
| Scene Selection | — | — |
| Movie | — | — |
| SteadyShot | Off | Off |
| Color Space | sRGB | sRGB |




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| MENU items | Default setting | Desired setting |
|--------------------|-----------------|-----------------------|
| Auto Slow Shut. | On | On |
| Audio Recording | On | On |
| Wind Noise Reduct. | Off | Off |
| Shooting tip List | | <i>not applicable</i> |
| Memory recall | | <i>not applicable</i> |
| Memory | | <i>not applicable</i> |



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| MENU items | Default setting | Desired setting |
|---------------------------------------------------------------------------------------------|-----------------|-----------------------|
| Zebra | Off | 100+ |
|  MF Assist | On | On |
| Focus Magnif. Time | 2 Sec | No Limit |
| Grid Line | Off | Off |
| Auto Review | 2 Sec | Off |
| DISP Button | | <i>not applicable</i> |






2/6

| MENU items | Default setting | Desired setting |
|---------------------|-------------------|-------------------|
| Peaking Level | Off | Off |
| Peaking Color | White | White |
| Exposure Set. Guide | On | Off |
| Live View Display | Setting Effect ON | Setting Effect ON |
| Disp. cont. AF area | On | On |




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| MENU items | Default setting | Desired setting |
|---------------------------------------------------------------------------------------------------|-------------------|-------------------|
|  Pre-AF | On | On |
| Zoom Setting | Optical zoom only | Optical zoom only |
|  Eye-Start AF | — | — |
| FINDER/MONITOR | Auto | Monitor |
| Release w/o Lens | Disable | Enable |
|  AF w/ shutter | On | On |



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| MENU items | Default setting | Desired setting |
|----------------------------------------------------------------------------------------------------|-----------------|---------------------|
|  AEL w/ shutter | Auto | Off |
| e-Front Curtain Shut. | On | On |
| S. Auto Img. Extract. | — | — |
| Exp.comp.set | Ambient & flash | Ambient only |
| Bracket order | 0→-→+ | 0→-→+ |







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| MENU items | Default setting | Desired setting |
|--------------------------------|-----------------|-----------------------|
| Face Registration | | <i>not applicable</i> |
| AF Micro Adj. | | <i>not applicable</i> |
| Lens Comp. (Shading Comp.) | Auto | Auto |
| Lens Comp. (Chro. Aber. Comp.) | Auto | Auto |
| Lens Comp. (Distortion Comp.) | Off | Off |



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| MENU items | Default setting | Desired setting |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Function Menu Set. | | <i>not applicable</i> |
| Custom Key Settings | | <i>not applicable</i> |
| Dial/Wheel Setup |  SS  F/no. |  SS  F/no. |
| Dial/Wheel Ev Comp | Off | Off |
| MOVIE Button | Always | Always |
| Dial / Wheel Lock | Unlock | Unlock |



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| MENU items | Default setting | Desired setting |
|----------------------|-----------------|-----------------------|
| Send to Smartphone | | <i>not applicable</i> |
| Send to Computer | | <i>not applicable</i> |
| View on TV | | <i>not applicable</i> |
| One-touch(NFC) | | <i>not applicable</i> |
| Airplane Mode | Off | On |
| WPS Push | | <i>not applicable</i> |



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| MENU items | Default setting | Desired setting |
|--------------------|-----------------|-----------------------|
| Access Point Set. | | <i>not applicable</i> |
| Edit Device Name | | <i>not applicable</i> |
| Disp MAC Address | | <i>not applicable</i> |
| SSID/PW Reset | | <i>not applicable</i> |
| Reset Network Set. | | <i>not applicable</i> |




| MENU items | Default setting | Desired setting |
|------------------|-----------------|-----------------------|
| Application List | | <i>not applicable</i> |
| Introduction | | <i>not applicable</i> |

**Movie3**

| MENU items | Default setting | Desired setting |
|------------------|-----------------|-----------------------|
| Delete | | <i>not applicable</i> |
| View Mode | | <i>not applicable</i> |
| Image Index | | <i>not applicable</i> |
| Display Rotation | Manual | Manual |
| Slide Show | | <i>not applicable</i> |
| Rotate | | <i>not applicable</i> |



| MENU items | Default setting | Desired setting |
|-------------------------------------------------------------------------------------------------|-----------------|-----------------------|
|  Enlarge Image | | <i>not applicable</i> |
| 4K Still Image PB | | <i>not applicable</i> |
| Protect | | <i>not applicable</i> |
| Specify Printing | | <i>not applicable</i> |



| MENU items | Default setting | Desired setting |
|----------------------------------------------|-----------------|----------------------|
| Monitor Brightness (Brightness Setup) | Manual | Sunny weather |
| Viewfinder Bright. | Auto | Auto |
| Finder Color Temp. | ±0 | ±0 |
| Volume Settings | 7 | 7 |
| Audio signals | On | On |



| MENU items | Default setting | Desired setting |
|----------------------------|-----------------|-----------------|
| Tile Menu | Off | Off |
| Mode Dial Guide | On | On |
| Delete confirm | "Cancel" first | "Cancel" first |
| Pwr Save Start Time | 1 Min | 30 Min |




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| MENU items | Default setting | Desired setting |
|--------------------|-----------------|-----------------------|
| Cleaning Mode | | <i>not applicable</i> |
| Demo Mode | Off | Off |
| Remote Ctrl | Off | Off |
| HDMI Resolution | Auto | Auto |
| CRTL FOR HDMI | On | On |
| HDMI Info. Display | On | On |



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| MENU items | Default setting | Desired setting |
|--------------------------------------------------------------------------------------------|-----------------|--------------------|
| USB Connection | Auto | Auto |
| USB LUN Setting | Multi | Multi |
|  Language | English | English |
| Date/Time Setup | | Set up accordingly |
| Area Setting | | Set up accordingly |



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| MENU items | Default setting | Desired setting |
|--------------------|-----------------|-----------------------|
| Format | | <i>not applicable</i> |
| File Number | Series | Reset |
| Select REC Folder | | <i>not applicable</i> |
| New Folder | | <i>not applicable</i> |
| Folder Name | Standard Form | Standard Form |
| Recover Image DB | | <i>not applicable</i> |



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| MENU items | Default setting | Desired setting |
|---------------------|-----------------|-----------------------|
| Display Media Info. | | <i>not applicable</i> |
| Version | | <i>not applicable</i> |
| Setting Reset | | <i>not applicable</i> |